

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/085544 A1

(51) International Patent Classification⁷: **E04B 2/74**,
1/02, 1/12, E04C 2/22, 2/38

(21) International Application Number:
PCT/GB2005/000794

(22) International Filing Date: 3 March 2005 (03.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0404775.9 3 March 2004 (03.03.2004) GB

(71) Applicant (for all designated States except US): **FLOOR 2
WALL LIMITED** [GB/GB]; Harvey Court, Dove Fields,
Uttoxeter, Staffordshire ST14 8HU (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MACLEOD, Iain,
Mackenzie** [GB/GB]; 36 The Common, Quarndon, Derby
DE22 5JY (GB). **HARDING, Miceal, John, Peter**
[GB/GB]; Farley Grange, Milford Park, Duffield Bank,
Duffield, Derbyshire DE6 4BG (GB).

(74) Agent: **BARKER BRETTELL**; 138 Hagley Road, Edg-
baston, Birmingham B16 9PW (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

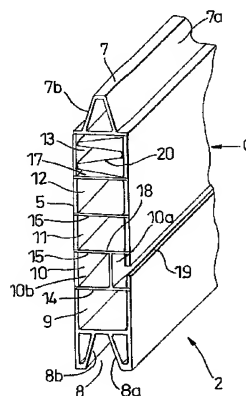
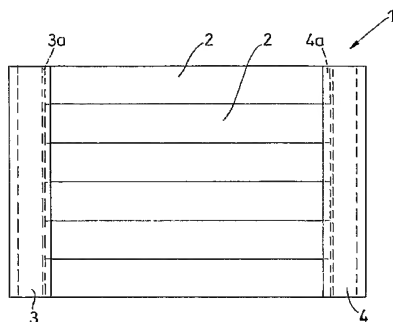
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: IMPROVEMENTS IN OR RELATING TO WALL SYSTEMS



(57) Abstract: A modular wall system (1) for constructing temporary buildings such as warehouses comprises a plurality of elongate panel members (2) arranged to extend horizontally between a pair of upright support members (3, 4). The panel members (2) are stacked one on top of another in a vertical plane to form a wall of the desired height wherein adjoining edges of adjacent panels (2) are provided with interlocking tongue and groove formations (7, 8). At least some of the panel members (2) are provided with an elongate reinforcing member (20) extending lengthwise of an internal longitudinal chamber (13) to assist withstanding wind forces. The reinforcing members (20) are constructed and arranged to have a higher resistance to forces applied in a direction (C) normal to a vertical plane of the wall than parallel to the vertical plane of the wall.

WO 2005/085544 A1